User Manual

From RibTools

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Installation

- **Get** the latest version of the binaries from the downloads page (http://code.google.com/p/ribtools/downloads/list) over at Google Project Hosting.
- **Unzip** the archive in the directory of your choosing (Note: the archive includes own RibTools/ directory).

 **Note:** you may need to perform a one-time install of the freely redistributable CRT libraries from Microsoft, downloadable here (http://www.microsoft.com/downloads/details.aspx?familyid=A5C84275-3B97-4AB7-A40D-3802B2AF5FC2&displaylang=en) and in the *RibTools* binaries package at `RibTools\Install\vcredist_x86.exe`.

Quick Start

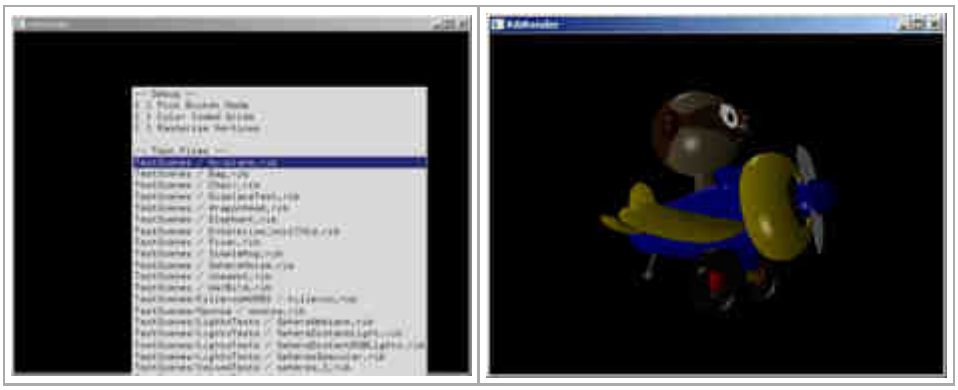
From the *RibTools* directory, launch the file `MakeTests.bat`, wait for it to complete and enjoy some fine renderings in the *TestsOutput* folder.

Three executables are currently distributed: **RibRenderToy**, **RibRender**, **RibRenderServer** and **RSLCompilerCmd**.

RibRenderToy

This is a minimally interactive application that will render any RIB file present in the `TestScenes` folder.

Launch the application, *right click* in the window to open a menu from which to choose a file to render.



Note: The rendering is always redirected to the application window, ignoring any target specified by the *Display* command in the RIB files.

RibRender

This command will render a scene described by a RIB file (http://www.3dartist.com/WP/formats/index.html#rib) into an image file or in a window.

From a command line, type `RibRender -h` to get the following help:

==== RibRender v0.9 -- (Jan 29 2010 - 16:08:06) ====

RibRender <rib file> [options]

Options:

-help | --help | -h -- Show this help
-server <address>:<port> -- Specify an IP and port number for a render server
-forcedlongdim <size in pixels> -- Force the largest dimension's rendering size in pixels

Examples:

RibRender TestScenes/Airplane.rib
RibRender TestScenes/Airplane.rib -server 192.168.1.107 -server 192.168.1.108:30000
RibRender TestScenes/Airplane.rib -forcedlongdim 1024

Note: RIB scene description files usually specify the output format with an explicit *Display* command. So, a RIB file may decide whether the output will be in the form of an image file (usually TIFF) or in a window for display. If no *Display* command is found, **RibRender** will automatically generate an RGBA TIFF image named `frame0001.tif`.

RibRenderServer

This command acts for a render server for any *RibRender* command that will accesses this application thought the machine's IP and selected port.

From a command line, type `RibRender -h` to get the following help:

```
==== RibRenderServer v0.9 -- (Jan 29 2010 - 16:28:09) ====

RibRenderServer [options]

Options:

        -help | --help | -h -- Show this help
        -port <port> -- Wait for connection at port <port>

Examples:

        RibRenderServer
        RibRenderServer -port 31111
```

 **Note: RibRenderServer** gives an additional capability to distribute rendering but it is *not* necessary as **RibRender** is fully capable of rendering on its own.

RSLCompilerCmd

This command is included only for *internal testing purposes*. It compiles a .sl file into a RibRender .rrasm file type. Such operation is done internally by the renderer, and **the user does not normally need to run this** command explicitly.

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